Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/18/2017 11:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124349	-1	1.39	124224	1.37
Blue	F	SSC	125000	122984	-2	2.54	123368	2.32
Blue	E	FITC	23615	22887	-4	2.50	1018	10.47
Blue	D	PE	26739	26403	-2	2.09	948	10.08
Blue	B	PerCP-Cy5-5	48339	47249	-3	3.38	1354	17.06
Blue	A	PE-Cy7	45021	44457	-2	4.96	684	35.83
Red	C	APC	53064	52512	-2	2.93	3034	9.67
Red	A	APC-Cy7	57175	56258	-2	2.95	1164	11.63
Violet	B	V450	14728	14153	-4	4.80	680	9.14
Violet	A	V500	58621	56692	-4	4.62	2503	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19675	2.15	606	-8	N/A	N/A	Pass
Blue	F	SSC	60748	1.55	546	0	N/A	N/A	Pass
Blue	E	FITC	115	37.93	544	-4	0.0196	75	Pass
Blue	D	PE	208	28.70	534	-2	0.1440	187	Pass
Blue	B	PerCP-Cy5-5	212	45.04	633	-2	0.0099	81	Pass
Blue	A	PE-Cy7	73	121.30	692	-1	0.0117	15	Pass
Red	C	APC	352	27.58	599	2	0.0193	18	Pass
Red	A	APC-Cy7	127	40.81	582	2	0.0050	1300	Pass
Violet	B	V450	82	41.45	466	-4	0.0513	2090	Pass
Violet	A	V500	183	21.59	493	-4	0.0155	273	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.62	-31.24	0.89
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	18.03	14.40 - 21.60	N/A	N/A	31.11	31.54	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15417

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments